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Evaluación

1) $x = 0, \frac{1}{2}, 1$ y $\frac{3}{2}$

$$f(0) = 0^2 + 3 \cdot 0 - 1$$

$$f(0) = 0 + 3 \cdot 0 - 1$$

$$f(0) = -1$$

$$f\left(\frac{1}{2}\right) = \left(\frac{1}{2}\right)^2 + 3 \cdot \frac{1}{2} - 1$$

$$f\left(\frac{1}{2}\right) = 0.25 + 3 \cdot \frac{1}{2} - 1$$

$$f\left(\frac{1}{2}\right) = 0.75$$

$$f(1) = 1^2 + 3 \cdot 1 - 1$$

$$f(1) = 1 + 3 \cdot 1 - 1$$

$$f(1) = 3$$

$$f\left(\frac{3}{2}\right) = \left(\frac{3}{2}\right)^2 + 3 \cdot \frac{3}{2} - 1$$

$$f\left(\frac{3}{2}\right) = 0.75 + 3 \cdot \frac{3}{2} - 1$$

$$f\left(\frac{3}{2}\right) = 4.25$$

$$C = -1, 3/4, 3, 23/4$$

2) $x = 0, \frac{1}{2}, 1$ y $\frac{3}{2}$

$$f(0) = \frac{0}{2} + 1$$

$$f(0) = 1$$

$$f\left(\frac{1}{2}\right) = \frac{1}{2} + 1$$

$$f\left(\frac{1}{2}\right) = 1.5$$

$$f\left(\frac{1}{2}\right) = 1.5$$

$$f(1) = \frac{1}{2} + 1$$

$$f(1) = 1.5$$

$$f(1) = 1.5$$

$$f\left(\frac{3}{2}\right) = \frac{3}{2} + 1$$

$$f\left(\frac{3}{2}\right) = 1.75$$

$$f\left(\frac{3}{2}\right) = 1.75$$

3) $f(a+h) - f(a)$ donde $f(x) = x^2$

$$f(a+h) = (a+h)^2 = a^2 + 2ah + h^2$$

$$f(a) = a^2 + 2ah + h^2 - a^2$$

$$f = 2ah + h^2$$

4) $f\left(\frac{a}{n}\right) + f(a)$ donde $f(x) = x+2$

$$f\left(\frac{a}{n}\right) = \left(\frac{a}{n}\right)^2 = a^2 + 2 + \frac{a}{n} + 2 = 4\left(\frac{a}{n} + 1\right)$$

$$f(a) = a = 1 = 4\left(\frac{a}{n} + 1\right)$$

$$f = 4\left(\frac{a}{n} + 1\right)$$